

P53821C 7 January 1998

Applicant: Richard G. Hyatt Jr.

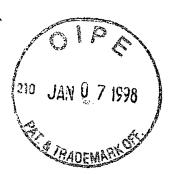
S.N.: 08/720,070

Filed: 27 September 1996

For: ELECTROMECHANICAL CYLINDER PLUG.

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1. SUPPLEMENTAL AMENDMENT





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

RICHARD G. HYATT JR.

Serial No.:

08/720,070

Examiner:

BOUCHER, D.

Filed:

27 September 1996

Art Unit:

3508

For:

ELECTROMECHANICAL CYLINDER PLUG

SUPPLEMENTAL AMENDMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Supplemental to the Applicant's earlier filed Response to the Requirement for Restriction mailed on 17 September 1997 (Paper No. 8), Applicant respectfully requests re-examination, reconsideration, and entry of the following amendments.

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IN THE CLAIMS

Please add claim 6, as follows:

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a cylinder containing a hollow recess defining a longitudinal axis;
a plug rotatable around said longitudinal axis while resident within said hollow
recess, said plug comprising:
a first base bearing a keyway providing a first electrical conductor and an
orifice spaced-apart from and separated by a mass of said plug from said keyway;
a second base separated by an axial length of said plug from said first base,
said second base bearing means for supporting a cam;
an exterior surface extending between and engaging said first base and said
second base;
locking means responsive to a key inserted into said keyway to accommodate
rotation of said plug relative to a cylinder surrounding said plug when the key while inserted
into said keyway engages in a selected relation with said locking means and engaging the
cylinder absent said selected relation;
a second electrical conductor terminating with an electrical contact exposed
to an exterior of said first base through said aperture;
an electronic logic circuit coupled to receive electrical power and data signal



via said first and second electrical conductors, and generating control signals in dependence

upon said electrical power and data signals; and

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an electrical operator having a distal member radially reciprocating along an axis transverse to said longitudinal axis, in dependence upon said control signals between a first position relative to said exterior surface enabling rotation of said plug in relation to said cylinder surrounding said plug and a second and different position relative to said exterior surface obstructing said rotation of said plug in relation said cylinder.

- -7. The plug of claim 6, comprising said locking means, logic circuit and electrical operator simultaneously experiencing said rotation relative to the cylinder whenever said plug rotates relative to the cylinder.
- -8. The plug of claim 6, comprising said locking means, logic circuit and electrical operator being wholly within the cylinder and travelling with said plug whenever said plug moves relative to the cylinder.
- -9. The plug of claim 6, with said electrical operator maintaining said distal member within said plug with said distal member extended not beyond said exterior surface while said distal member is in said first position, and maintaining said distal member in engagement with the cylinder while said distal member is in said second position.
 - -10. The plug of claim 6, with said electrical operator maintaining said distal member



within said plug with said distal member extending not beyond said exterior surface while said distal

member is in said first position, and moving said distal member radially between said first position

inside said exterior surface and said second position radially beyond said exterior surface, in

dependence upon said control signals.

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REMARKS

Claims 1 through 10 are pending in this application. Claims 6 through 10 are newly added.

In view of the foregoing amendments, arguments and remarks, all claims are deemed to be allowable and this application is believed to be in condition to be passed to issue. Should any questions remain unresolved, the Examiner is requested to telephone Applicant's attorney.

Respectfully submitted

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